

| | | |
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| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

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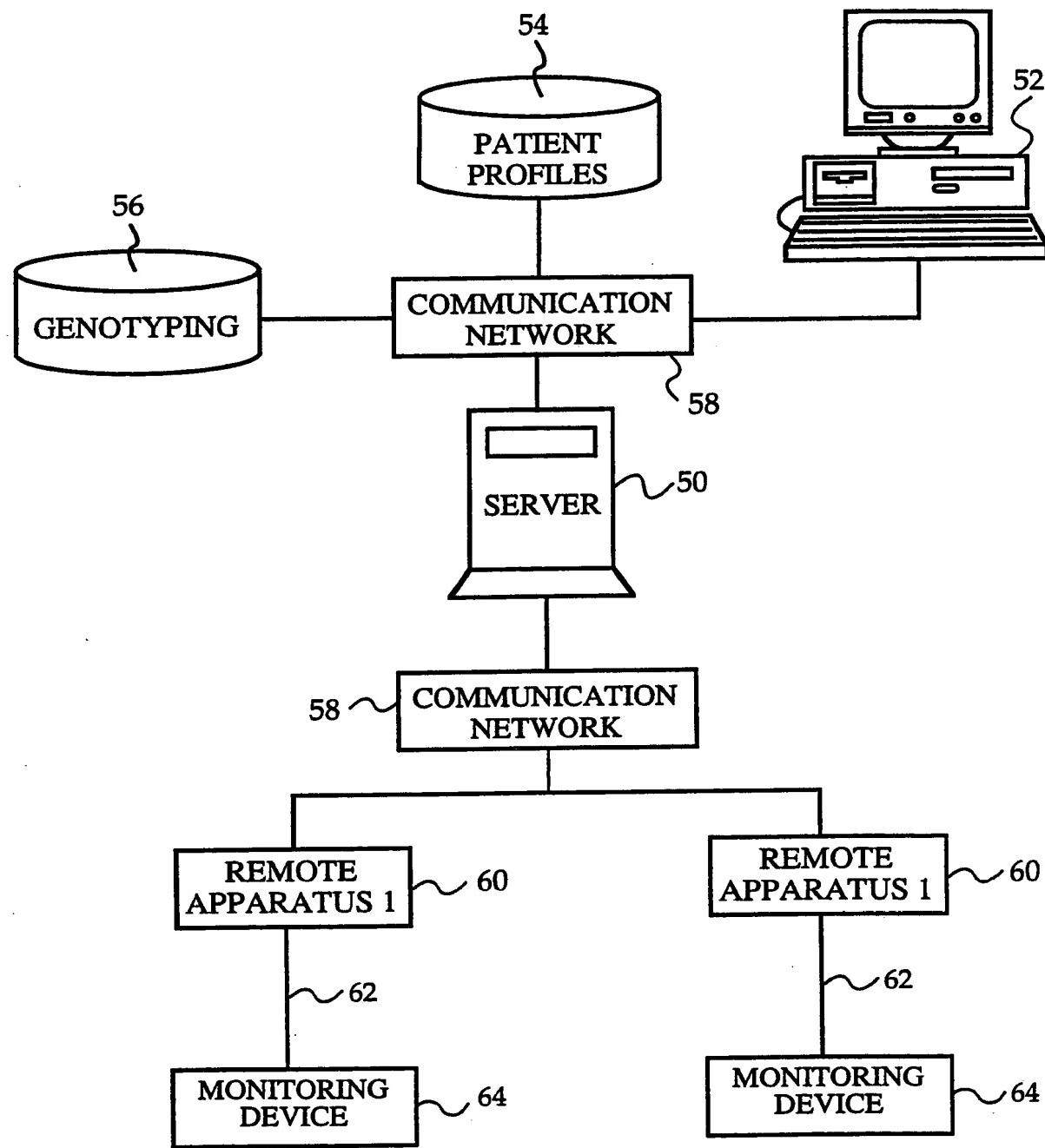


Fig.1

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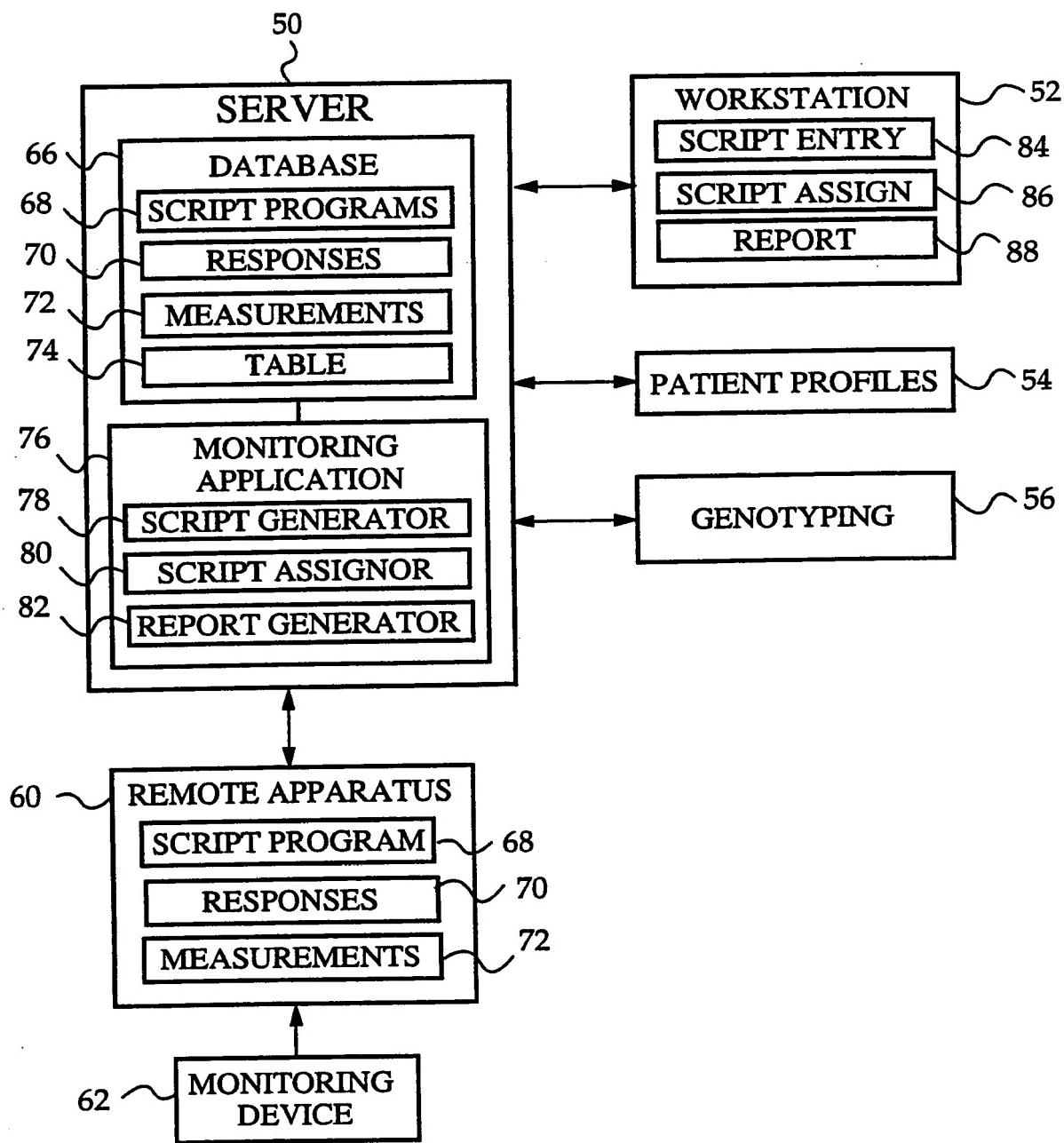


Fig.2

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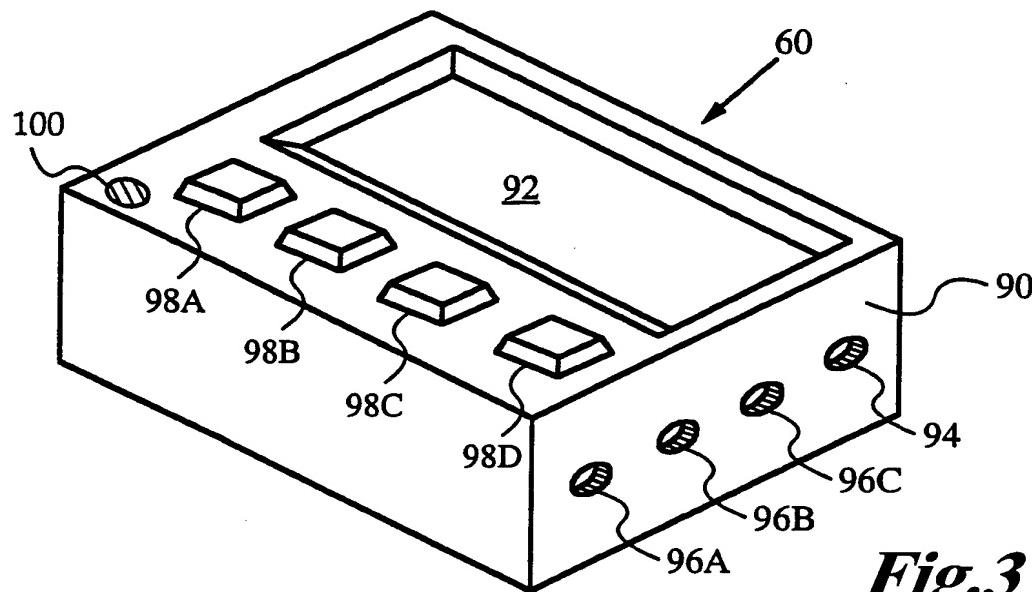


Fig.3

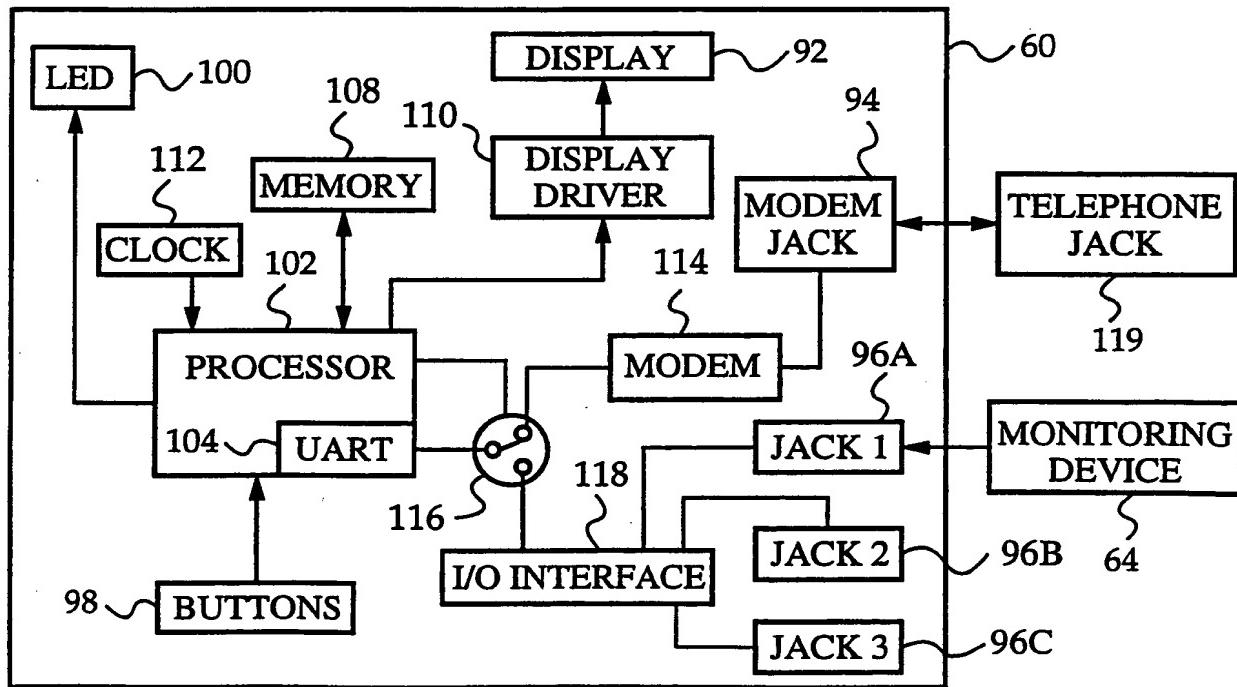


Fig.4

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122 ~~~~~ 126 ~~~~~ 128 ~~~~~ 130 ~~~~~ 132

120 ~~~~~ 124

122 ~~~~~ 126 ~~~~~ 128 ~~~~~ 130 ~~~~~ 132

SCRIPT ENTRY SCREEN

SCRIPT NAME: **NON-INSULIN DEP DIABETES MELLITUS SCRIPT 1**

| QUERIES | CHOICE 1 | CHOICE 2 | CHOICE 3 | CHOICE 4 |
|---|----------------|------------------|------------------|----------|
| HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM? | < 20 | 20-30 | 30-40 | > 40 |
| ARE YOU OVERWEIGHT? | YES | NO | | |
| WHAT IS YOUR CHOLESTEROL LEVEL? | < 200 mg/dL | 200-250 mg/dL | 250-300 mg/dL | |
| DO YOU SMOKE? | YES | NO | | |

SELECT DEVICE TYPE(S)

GLUCOSE METER RESPIRATORY FLOW METER BP CUFF

CONNECTION TIME: **03:00** **▼** **CREATE SCRIPT** **130** **CANCEL** **132**

Fig.5

| | | |
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NUMBER: 9001 {LF}

LED: 1 {LF}

ZAP: {LF}

CLS: {LF}

**DISPLAY: ANSWER QUERIES NOW?
PRESS ANY BUTTON TO START {LF}**

WAIT: {LF}

CLS: {LF}

**DISPLAY: HOW OLD WERE YOU WHEN YOU
WERE DIAGNOSED WITH NIDDM?**

<20 20-30 30-40 >40 {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: ARE YOU OVERWEIGHT?

YES NO {LF}

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: WHAT IS YOUR CHOLESTEROL LEVEL?

**<200 200-250 250-300 >300
mg/dL mg/dL mg/dL mg/dL {LF}**

INPUT: OOOO {LF}

CLS: {LF}

DISPLAY: DO YOU SMOKE?

YES NO {LF}

Fig.6A

| | | |
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| DRAFTSHAN | | |

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INPUT: OOOO {LF}
CLS: {LF}
DISPLAY: CONNECT GLUCOSE METER
AND PRESS ANY BUTTON
WHEN FINISHED {LF}
WAIT: {LF}
CLS: {LF}
DISPLAY: COLLECTING MEASUREMENTS {LF}
COLLECT: GLUCOSE_METER {LF}
CLS: {LF}
DISPLAY: CONNECT APPARATUS TO
TELEPHONE JACK AND
PRESS ANY BUTTON
WHEN FINISHED {LF}
WAIT: {LF}
LED: 0 {LF}
CLS: {LF}
DELAY: 03:00 {LF}
DISPLAY: CONNECTING TO SERVER {LF}
CONNECT: {LF}
{EOF}

Fig.6B

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| APPROVED BY | O.G. FIG. |
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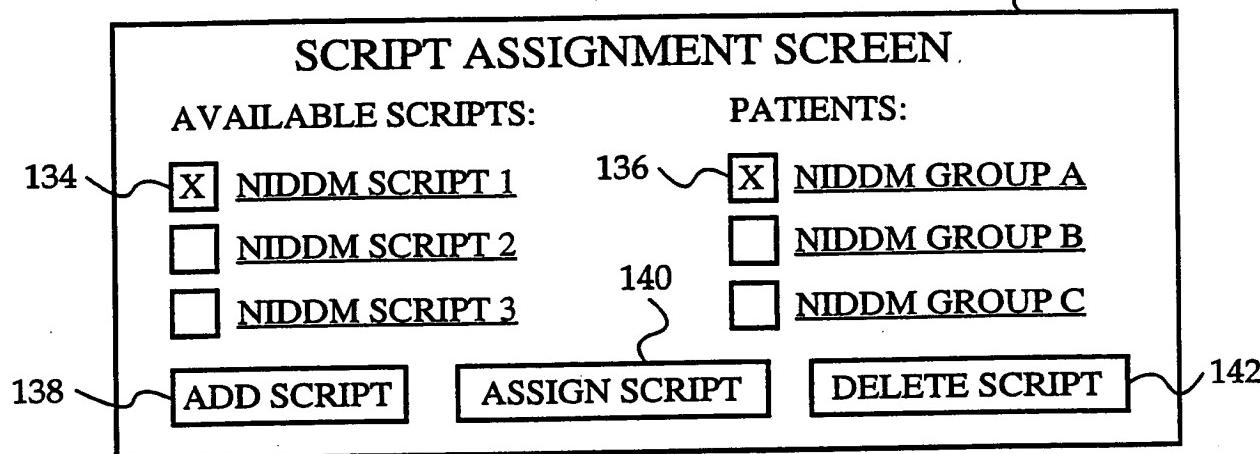


Fig. 7

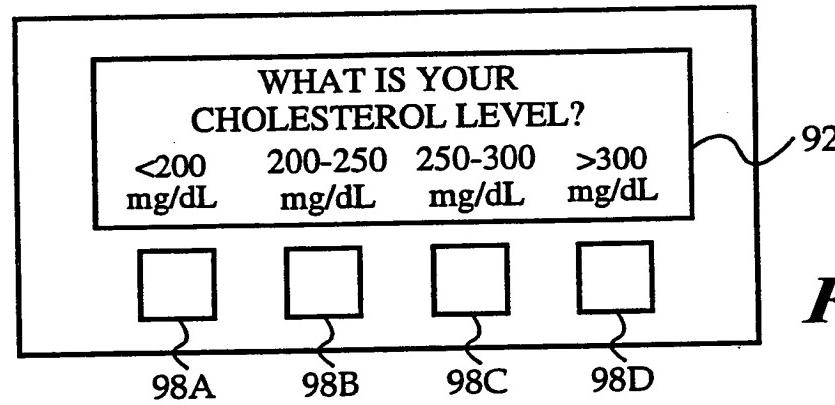


Fig. 8

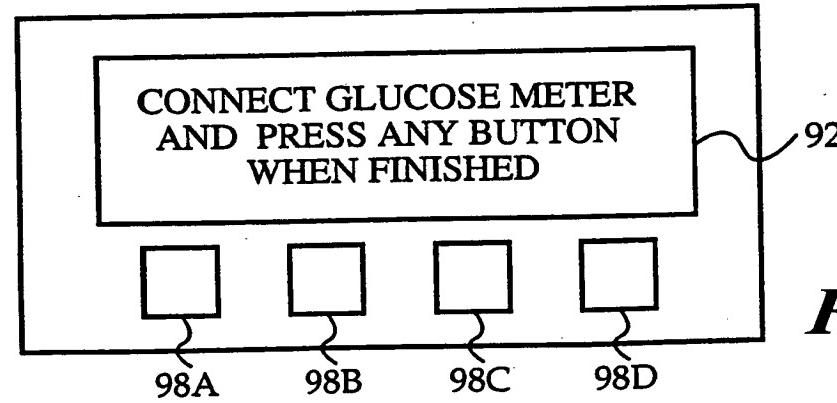


Fig. 9

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| APPROVED | O.G. FIG. |
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| DRAFTSMAN | |

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| PATIENT REPORT | | | | | | | | | |
|---|--|------|-----------------------|----|-----|----|-----|----|-----|
| PATIENT: <input type="text" value="LINDSEY, DAN"/> <input checked="" type="checkbox"/> | DATE OF MEASUREMENT: <input type="text" value="MARCH 15, 1997"/> <input checked="" type="checkbox"/> | | | | | | | | |
| 144 <input type="checkbox"/> | 146 <input type="checkbox"/> | | | | | | | | |
| <p>QUERY RESPONSES</p> <p>HOW OLD WERE YOU WHEN YOU WERE DIAGNOSED WITH NIDDM?</p> <p><input type="text" value="30-40"/> <input type="checkbox"/></p> <p>ARE YOU OVERWEIGHT?</p> <p><input type="checkbox"/> YES <input type="checkbox"/></p> <p>WHAT IS YOUR CHOLESTEROL LEVEL?</p> <p><input type="text" value="250-300 mg/dL"/> <input type="checkbox"/></p> <p>DO YOU SMOKE?</p> <p><input type="checkbox"/> NO <input type="checkbox"/></p> | | | | | | | | | |
| <table border="1"> <caption>Blood Glucose Data from Graph</caption> <thead> <tr> <th>Hour</th> <th>Glucose Level (mg/dL)</th> </tr> </thead> <tbody> <tr><td>12</td><td>120</td></tr> <tr><td>18</td><td>140</td></tr> <tr><td>24</td><td>160</td></tr> </tbody> </table> | | Hour | Glucose Level (mg/dL) | 12 | 120 | 18 | 140 | 24 | 160 |
| Hour | Glucose Level (mg/dL) | | | | | | | | |
| 12 | 120 | | | | | | | | |
| 18 | 140 | | | | | | | | |
| 24 | 160 | | | | | | | | |

Fig.10

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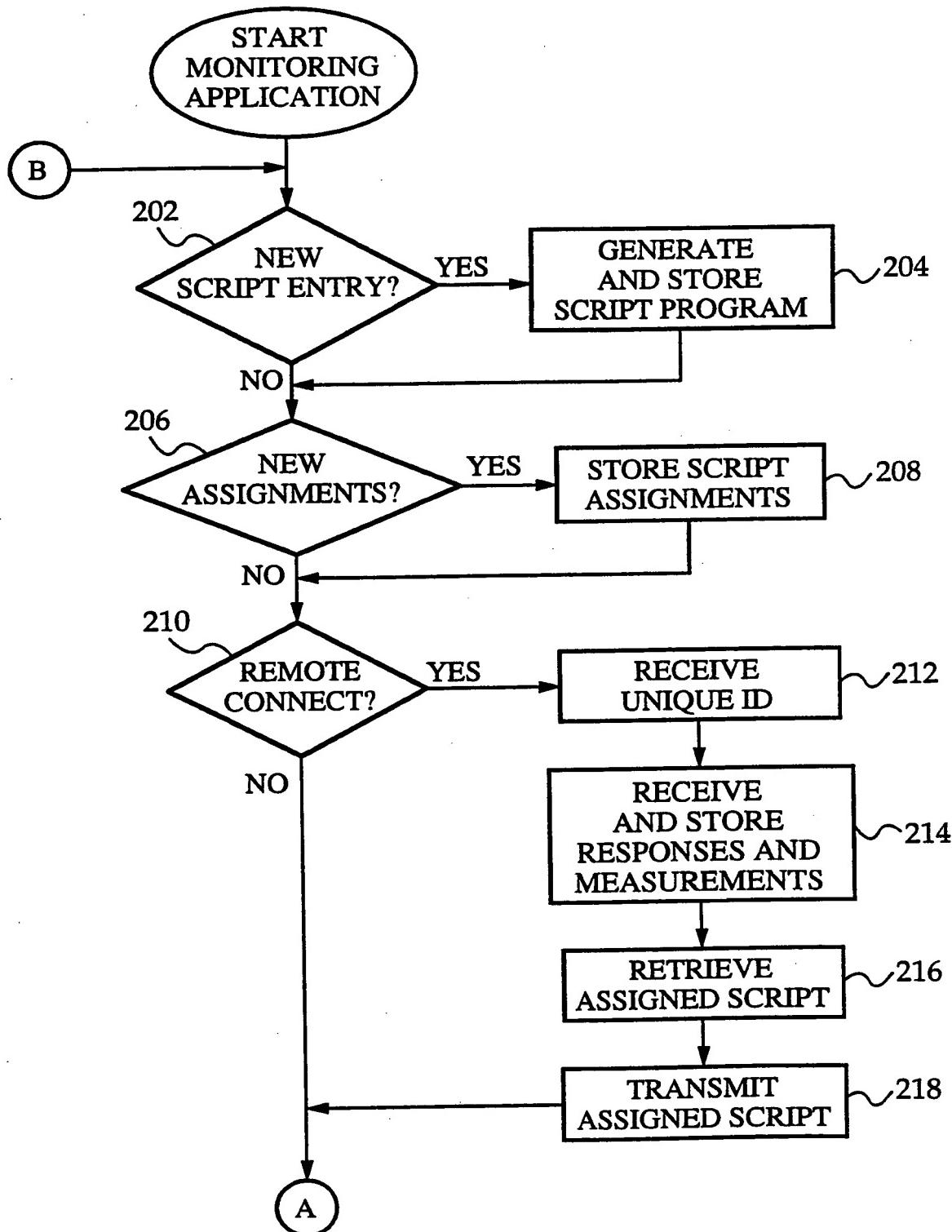


Fig.11A

| | | |
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| BY | CLASS | SUBCLASS |
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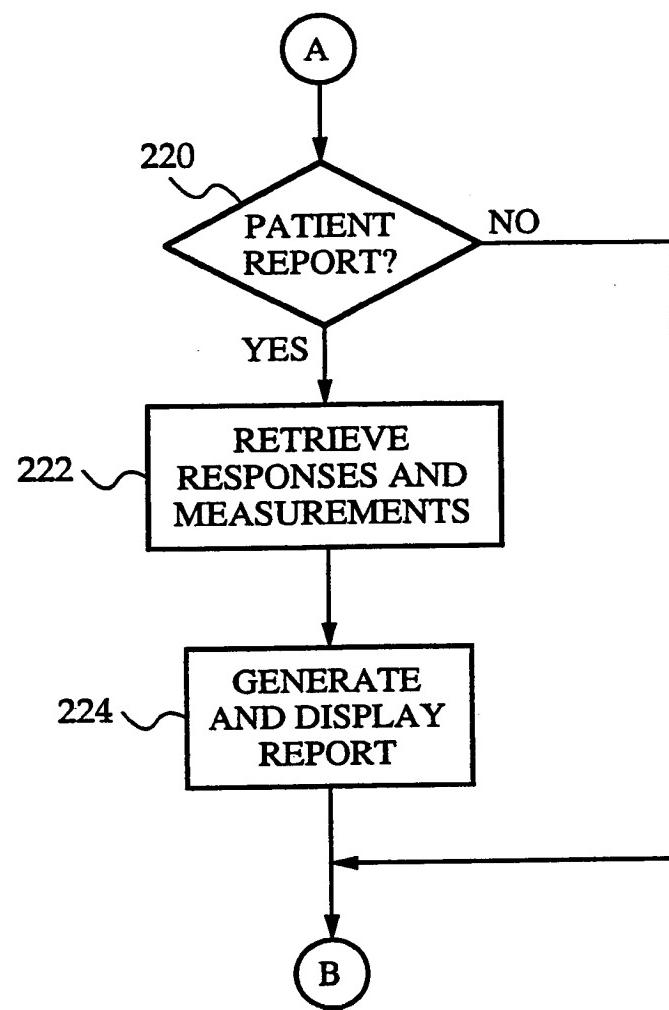


Fig.11B

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| APPROVED | O.G. FIG. |
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| DRAFTSMAN | |

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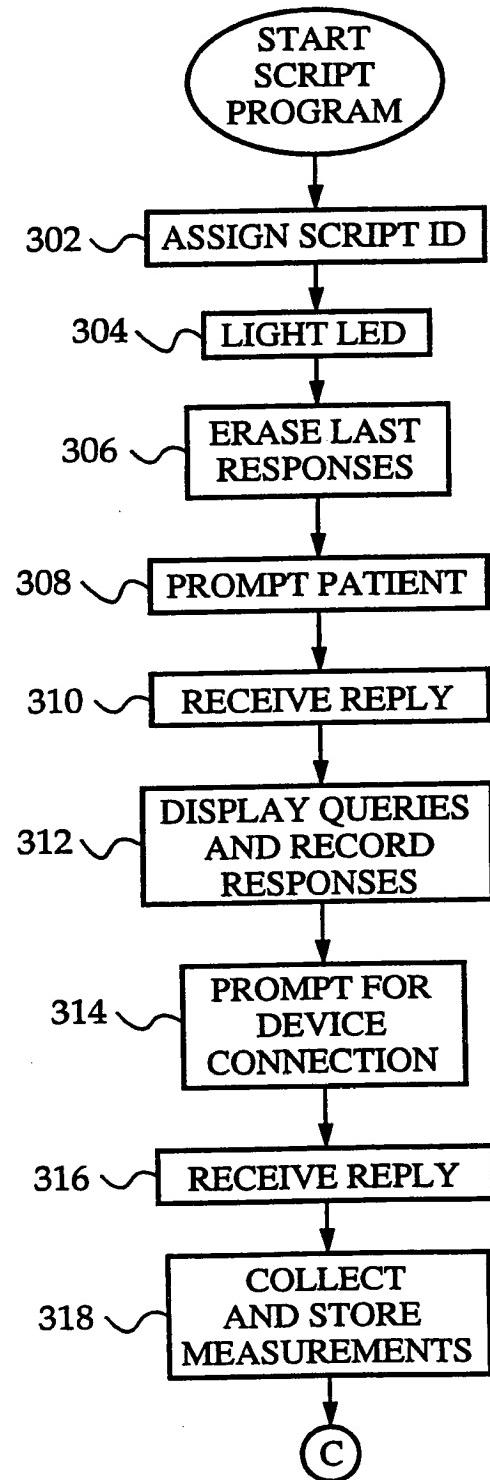


Fig.12A

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| Y | O.G. FIG. |
| | CLASS |
| SMAN | SUBCLASS |

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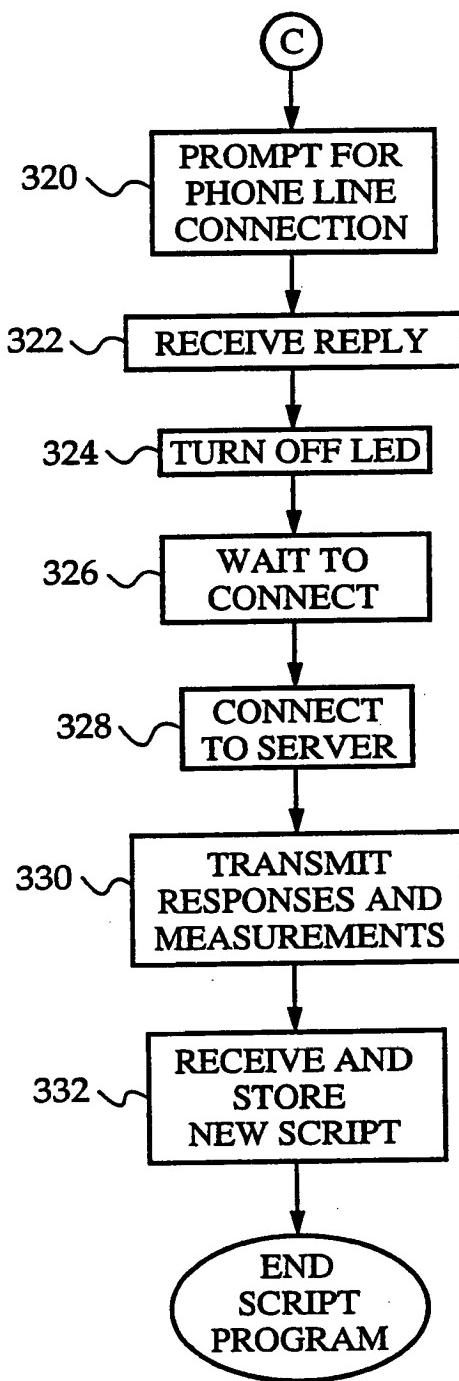


Fig.12B

| | | |
|----------------|-----------|----------|
| APPROVED BY | O.G. FIG. | |
| DRAFTSMAN | CLASS | SUBCLASS |

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| NIDDM DATA TABLE | | | <u>150</u> |
|--------------------------------|--|--|------------|
| INDIVIDUAL NO: <u>151</u> | | | |
| <u>152</u> | <u>154</u> | <u>156</u> | |
| NAME FIELD | VALUE FIELD | EXPLANATION | |
| age when diagnosed with NIDDM? | <20 = 0 20-30 = 25 30-40 = 50 >40 = 100 | to determine if condition is caused by age | |
| overweight or non-overweight? | overwt = 50 non-overwt = 0 | to determine if condition is caused by weight | |
| cholesterol level? | <200 = 0 200-250 = 25 250-300 = 50 >300 = 100 | to determine if condition is caused by cholesterol level | |
| smoking or non-smoking? | smoking = 50 non-smoking = 0 | to determine if condition is caused by nicotine | |

Fig.13

| | |
|-----------|----------------|
| APPROVED | O.G. FIG. |
| BY | |
| DRAFTSMAN | CLASS SUBCLASS |

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| NIDDM DATA TABLE | | | <u>150</u> |
|--------------------------------------|------------------------------|---|------------|
| INDIVIDUAL NO: 64025 | | | <u>151</u> |
| <u>152</u> NAME FIELD | <u>154</u> VALUE FIELD | <u>156</u> EXPLANATION | |
| age when diagnosed with NIDDM? | 30-40 = 50 | to determine if condition is caused by age | |
| overweight or non-overweight? | overwt = 50 | to determine if condition is caused by weight | |
| cholesterol level? | 250-300 = 50 | to determine if condition is caused by cholesterol level | |
| smoking or non-smoking? | non-smoking = 0 | to determine if condition is caused by nicotine | |

Fig.14

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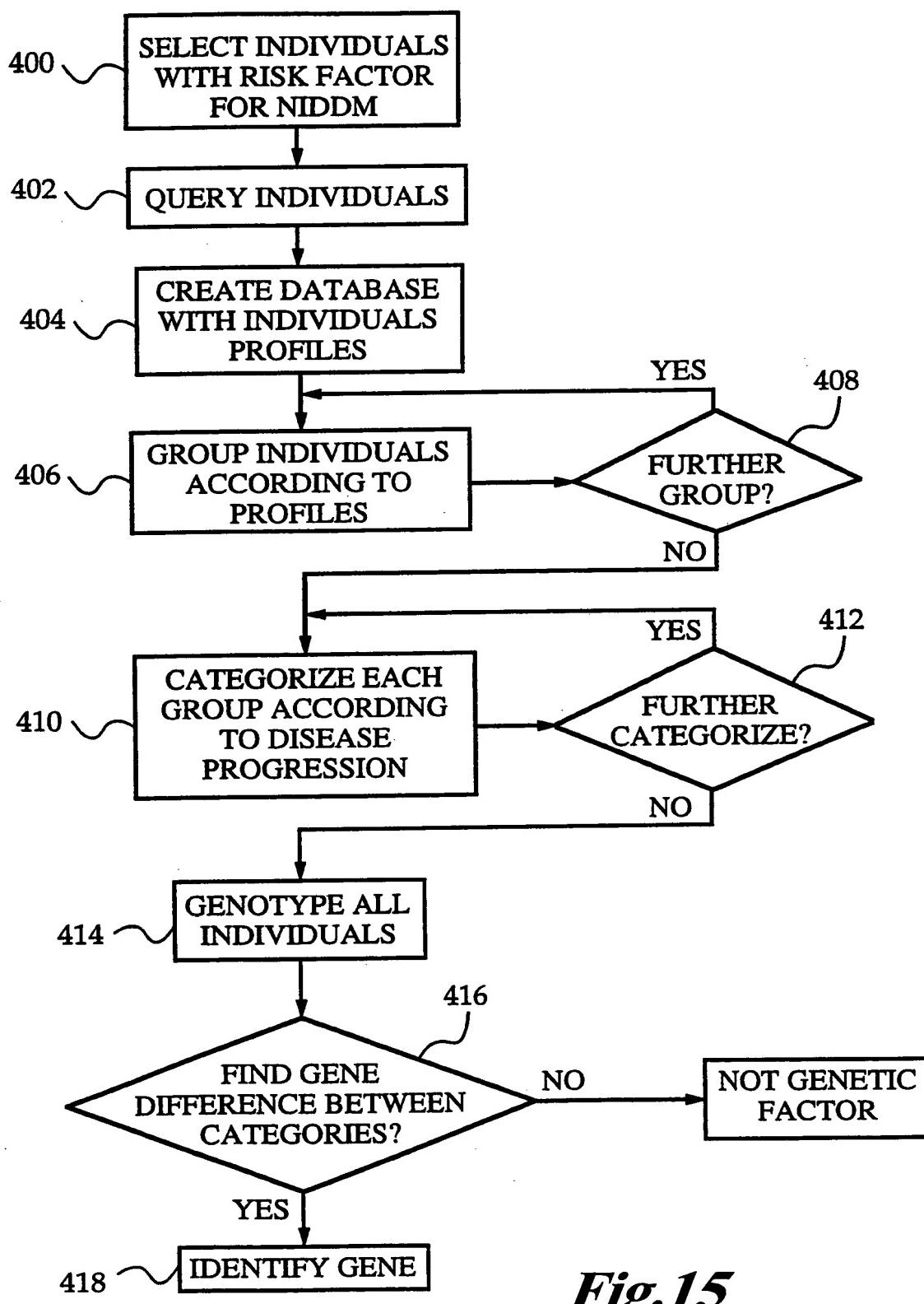
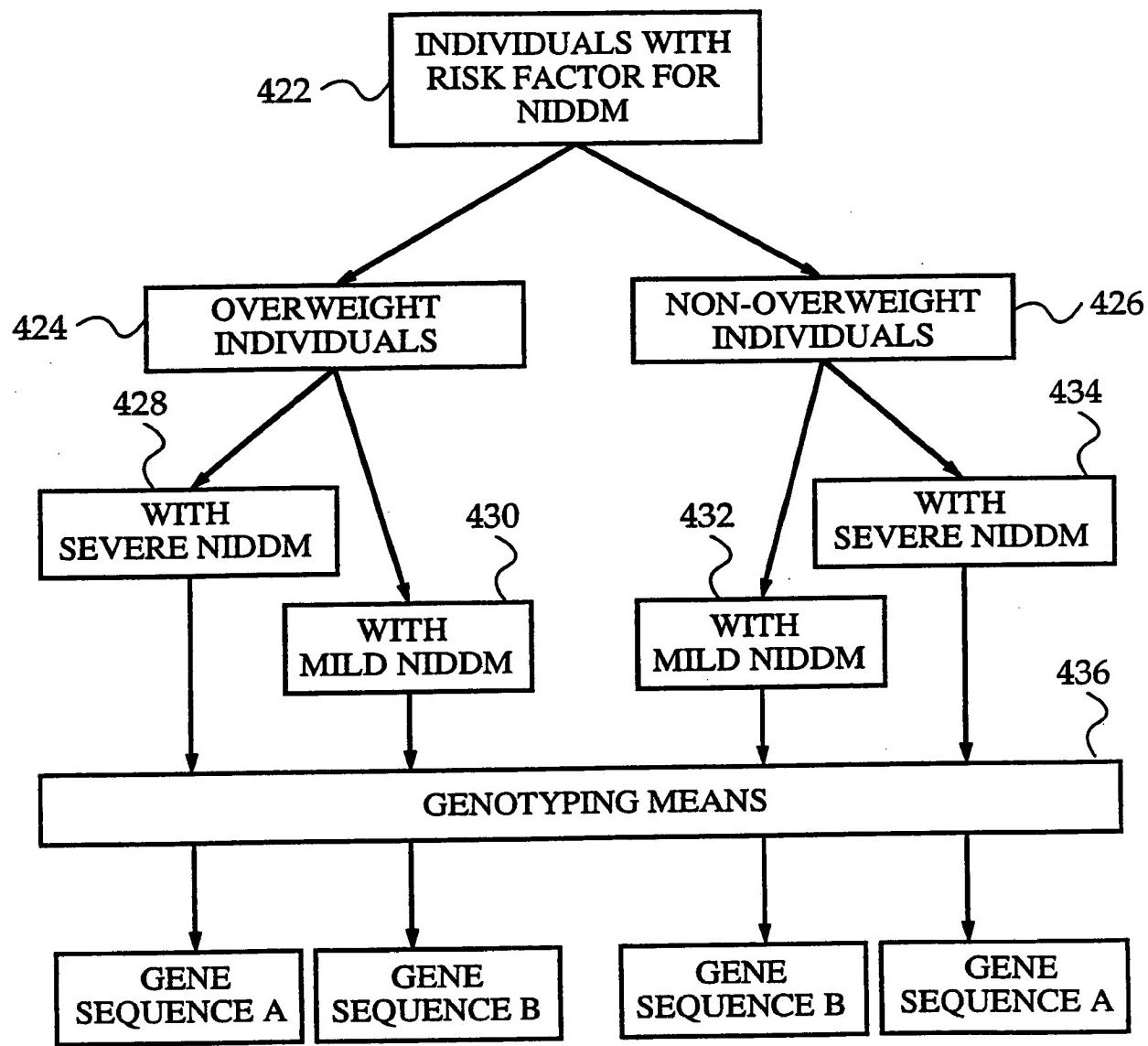


Fig.15

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CONCLUDE: NIDDM NOT RELATED TO
WEIGHT, LIKELY RELATED
TO GENE SEQUENCE A

Fig.16

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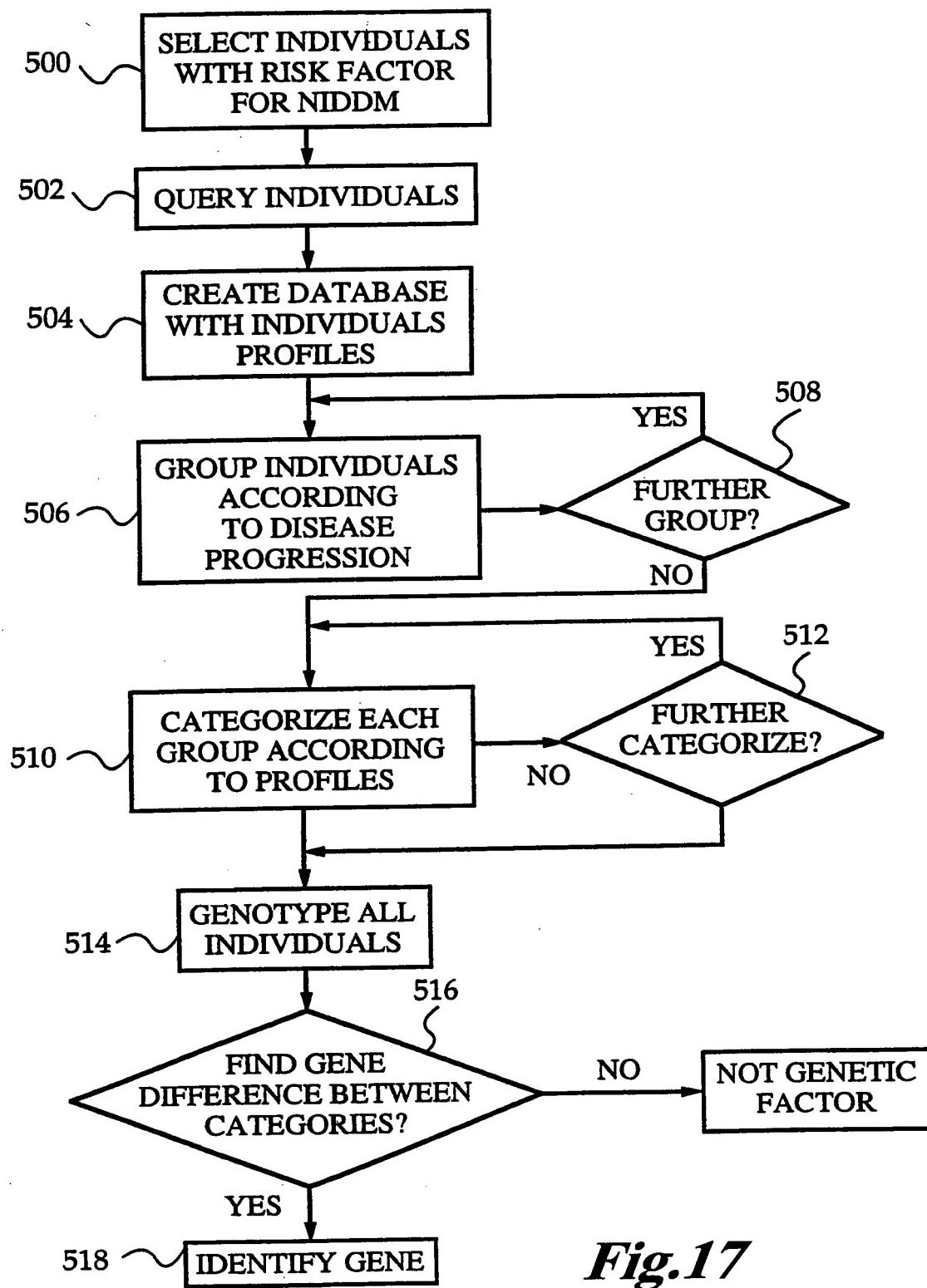
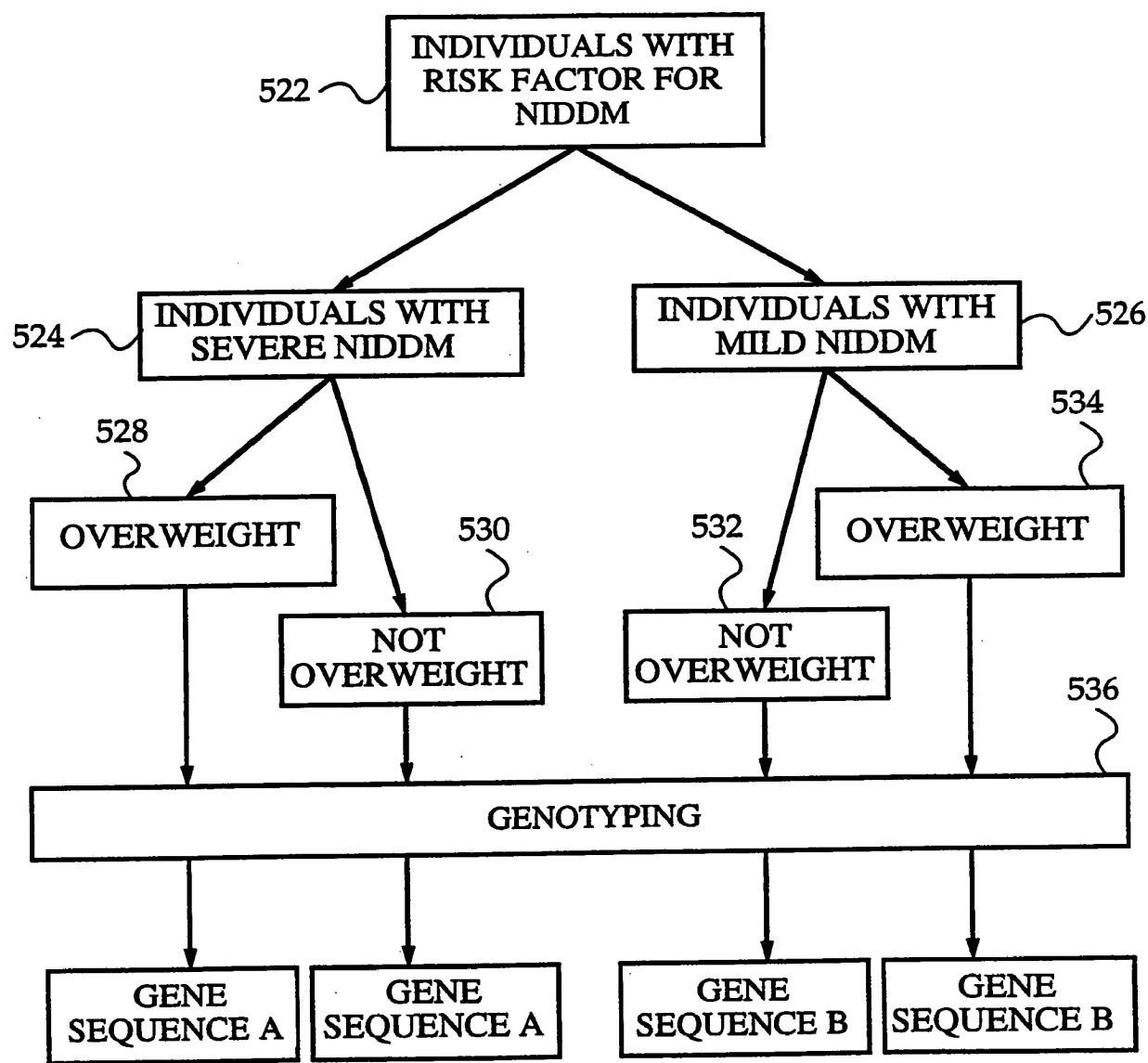


Fig.17

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CONCLUDE: NIDDM NOT RELATED TO
WEIGHT, LIKELY RELATED
TO GENE SEQUENCE A

Fig.18

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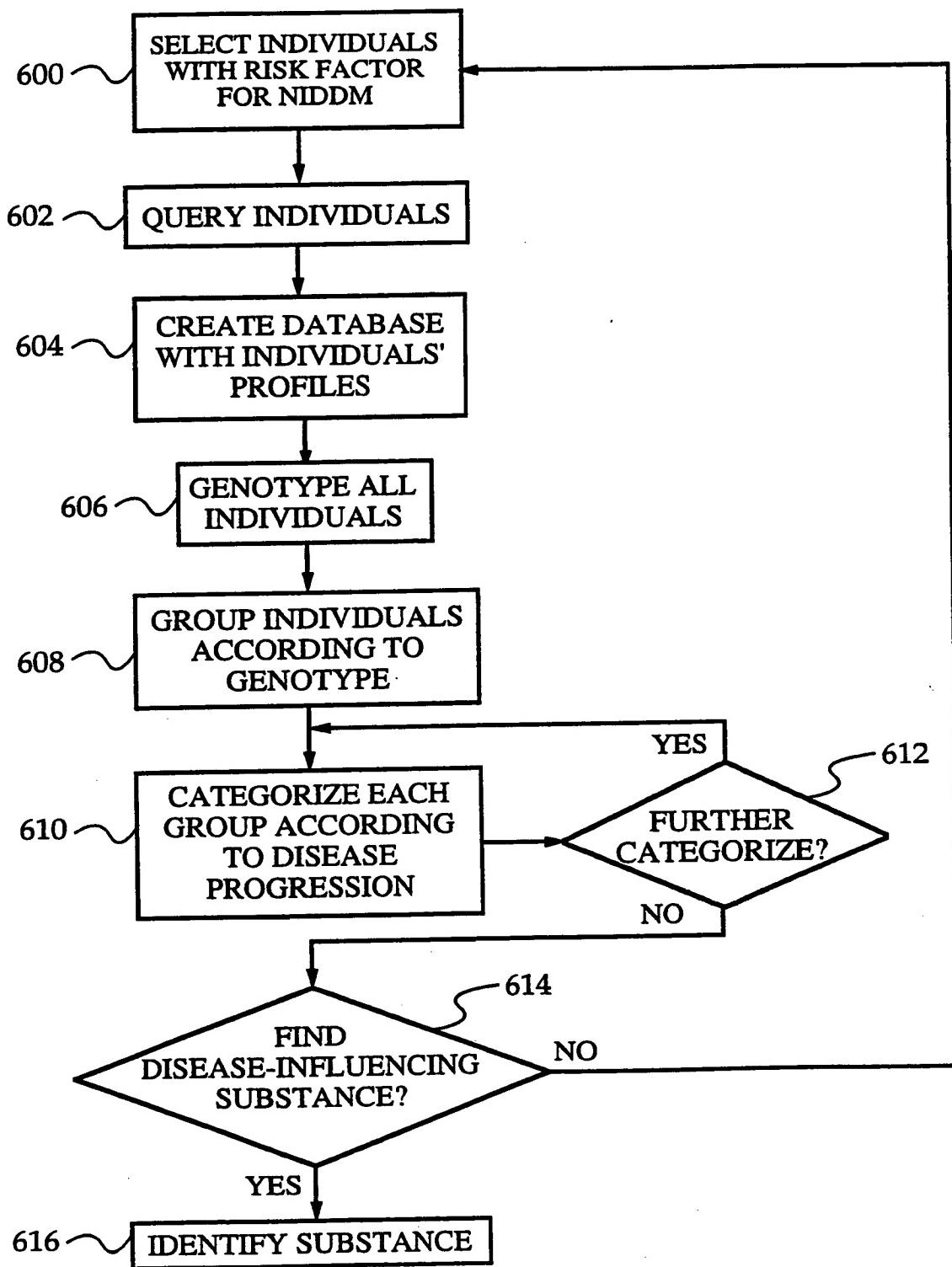


Fig.19

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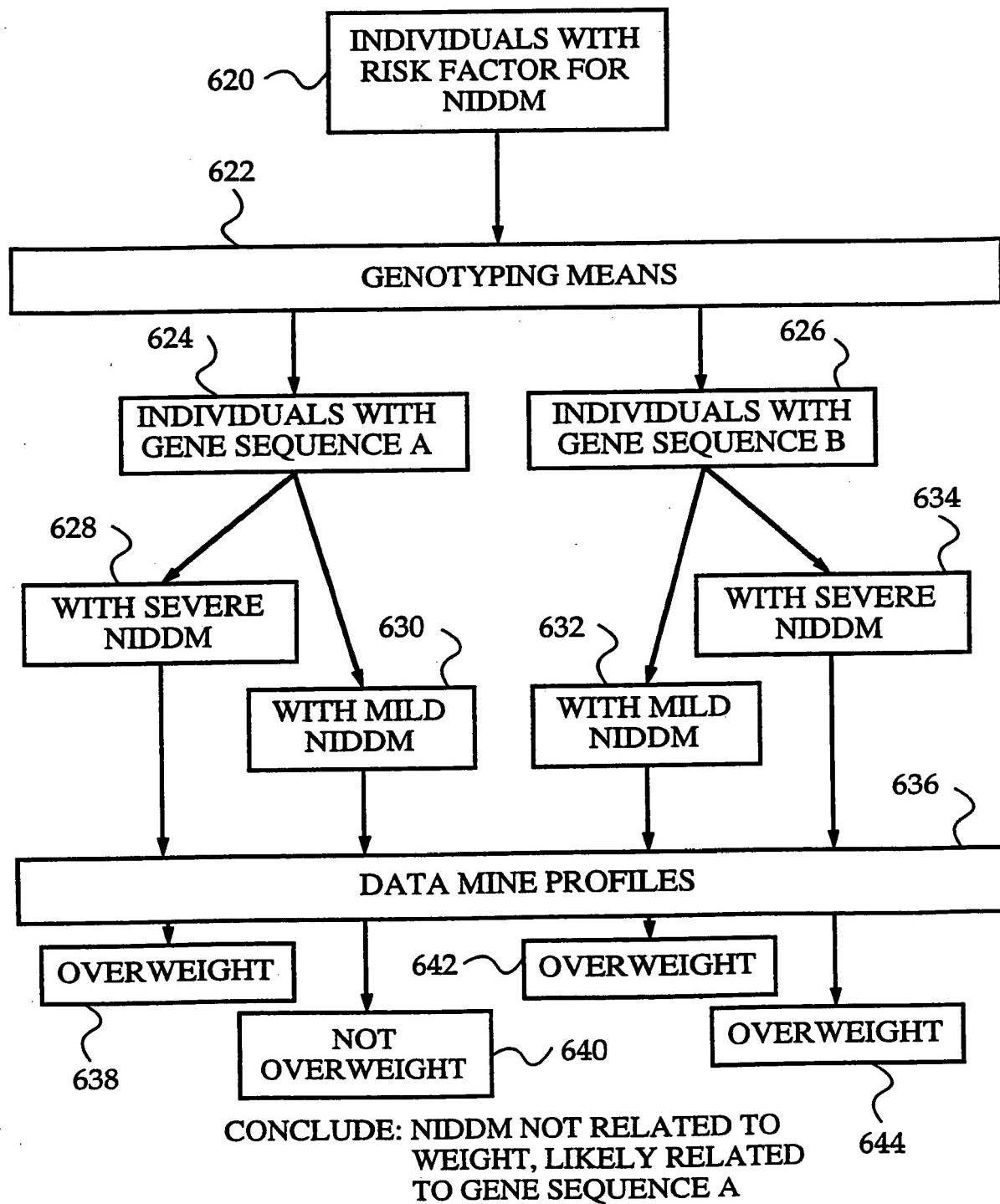


Fig.20